

## CLAIMS

1. A method of notifying changes of state in the resources of a network (10) to at least one application (26, 28) adapted to execute on the network, the method 5 being characterized in that it comprises the following steps:

- extracting (22) routing information, using change-of-state notification means (14c) with which the application has previously been registered; and 10
  - forwarding (24) said routing information extracted by the notification means to the application.

2. A change-of-state notification method according to claim 1, characterized in that, during the prior 15 registration step, a fraction of the nodes and/or of the links of the network (10) is selected so that the information that is extracted and forwarded to said application (26, 28) is routing information relating to said selected fraction of the nodes and/or of the 20 links.

3. A change-of-state notification method according to claim 1 or claim 2, characterized in that the network (10) is an ad-hoc network, and in that the routing 25 information is extracted by interrogating a routing protocol (14b) implemented in the ad-hoc network.

4. A change-of-state notification method according to claim 3, characterized in that the routing information 30 is extracted from routing tables (20) exchanged by a proactive routing protocol of the ad-hoc network, in particular the OLSR protocol.

5. A change-of-state notification method according to 35 any one of claims 1 to 4, characterized in that it further includes a step of dynamically extending the notification means (14c) during which new extraction

rules are introduced into the notification means (14c) corresponding to new routing information that has been deployed on the network (10).

- 5     6. A computer program (14c) for notifying changes of state in the resources of a network (10) to at least one application (26, 28) adapted to execute on the network, the program being characterized in that for an application that has previously been registered with  
10    the program, it includes means (22) for extracting routing information, and means (24) for forwarding the extracted information to the application.
- 15    7. A system for notifying changes of state in the resources of a network (10), the system comprising the network (10) and at least one application (26, 28) adapted to execute on the network, and being characterized in that it includes a computer program (14c) according to claim 6, and installed on at least  
20    one of the nodes (14) of the network.